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TITLE: SOLID WIRE FOR ARC WELDING OF GALVANIZED STEEL
SHEET AND
WELDING METHOD USING THE SAME

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INVENTOR-INFORMATION:

NAME

SATO, MASAHARU

IMAOKA, SUSUMU

ASSIGNEE-INFORMATION:

NAME

KOBE STEEL LTD

COUNTRY

N/A

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ABSTRACT:

PURPOSE: To obtain a solid wire for arc welding of galvanized steel sheets which obviates frequent formation of pits and blowholes and has excellent pore resistance and to obtain a welding method for galvanized steel sheets using this wire.

CONSTITUTION: This sold wire for arc welding of the galvanized steel sheets contains C, Si and Mn as its basic alloy components, consists of the balance Fe and inevitable impurities and its electric resistivity ρ ; is $\rho \geq 3.2 \times 10^{-7} \Omega \cdot m$. The galvanized steel sheets are MAG

Welded or pulse MAG welded by using the solid wire for arc welding of the
galvanized steel sheets described above and a shielding gas which is composed of a gaseous mixture composed of an inert gas consisting of Ar and/or He and oxidative gas consisting of CO₂ or/and O₂ and contg. the inert gas at a mixing ratio of $\geq 50\%$.

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